Author index

Aisen, P., see Sibille, J.-C. (1010) 204
Alemany, M., see López-Soriano, F.J. (1010) 338
Ali, H., Cunha-Melo, J.R. and Beaven, M.A.
Receptor-mediated release of inositol 1,4,5-trisphosphate and inositol 1,4-bisphosphate in rat basophilic leukemia RBL-2H3 cells permeabilized with streptolysin O (1010) 88
Ali, L., Wesslén, N. and Hellman, B.
Effects of depolarizing agents on the sodium content of rat pancreatic islets (1010) 283
Aring, J., Schlepper-Schaefer, J., Burkart, V. and Kolb, H.
Nonenzymatically glycated serum albumin: interaction with galactose-specific liver lectins (1010) 140
Asami, K., Takahashi, Y. and Takashima, S.
Dielectric properties of mouse lymphocytes and erythrocytes (1010) 49
Ashford, A.J., see Clark, S.J. (1010) 377

Bali, J.-P., see Magous, R. (1010) 357
Bárány, K., see Barron, J.T. (1010) 278
Bárány, M., see Barron, J.T. (1010) 278
Barron, J.T., Bárány, K., Bárány, M. and Kopp, S.J.
Effects of ATP reduction on the pattern of force development and myosin light chain phosphorylation in intact arterial smooth muscle (1010) 278
Beaven, M.A., see Ali, H. (1010) 88
Berg, I., Guse, A.H. and Gercken, G.
Carbamoylcholine-induced accumulation of inositol mono-, bis-, tris- and tetrakisphosphates in isolated cardiac myocytes from adult rats (1010) 100
Bikle, D., Munson, S., Christakos, S., Kumar, R. and Buckendahl, P.
Calmodulin binding to the intestinal brush-border membrane: comparison to other calcium-binding proteins (1010) 122
Brass, E.P. and Garrity, M.J.
Modulation of prostaglandin E_2 catabolism and action by fuel substrates in rat hepatocytes (1010) 233
Buckendahl, P., see Bikle, D. (1010) 122
Burkart, V., see Aring, J. (1010) 140
Busshardt, E., Gerok, W. and Häussinger, D.
Regulation of hepatic parenchymal and non-parenchymal cell function by the diadenine nucleotides Ap_3A and Ap_4A (1010) 151

Campbell, D.G., see MacDougall, L.K. (1010) 218
Chakraborti, P., see Chang, T.-m. (1010) 166
Chang, C.-H., see Hirata, M. (1010) 346
Chang, C.H.L., see Chang, T.-m. (1010) 166
Chang, T.-m., Chakraborti, P. and Chang, C.H.L.
The cyanogen bromide fragment I of asialoorosomucoid is transported more efficiently than asialoorosomucoid in rat hepatocytes (1010) 166
Christakos, S., see Bikle, D. (1010) 122
Clark, S.J., Ashford, A.J., Price, N.T. and Proud, C.G.
Casein kinase-2 phosphorylates serine-2 in the β-subunit of initiation factor-2 (1010) 377
Cohen, P., see MacDougall, L.K. (1010) 218
Collins, C., see Sinha, B.K. (1010) 304
Crevat, A., see Monti, J.-P. (1010) 210
Cunha-Melo, J.R., see Ali, H. (1010) 88

Dahlgren, C., Johansson, A. and Orselius, K.
Difference in hydrogen peroxide release between human neutrophils and neutrophil cytoplasts following calcium ionophore activation. A role of the subcellular granule in activation of the NADPH-oxidase in human neutrophils? (1010) 41
Dasarathy, Y. and Fanburg, B.L.
Calcium ionophore A23187 elevates angiotensin-converting enzyme in cultured bovine endothelial cells (1010) 16
Davis, B.H. and Vucic, A.
Modulation of vitamin A metabolism during hepatic and intestinal cell culture (1010) 318
De Boo, R., see Schuddemat, J. (1010) 191
DeLuca, H.F., see Inaba, M. (1010) 20
Dobrowolska, G., Meggio, F., Marchiori, F. and Pinna, L.A.
Specificity determinants of maize casein kinase-IIB are related to but distinct from those of rat liver casein kinase-2 (1010) 274
Dormer, R.L., see Doughney, C. (1010) 352
Douen, A.G. and Jones, M.N.
Insulin processing and signal transduction in rat adipocytes (1010) 363
Doughney, C., Pedersen, P.S., McPherson, M.A. and Dormer, R.L.
Formation of inositol polyphosphates in cultured human sweat duct cells in response to cholinergic stimulation (1010) 352
Dusre, L., see Sinha, B.K. (1010) 304

Endo, H., see Tanuma, S. (1010) 246

Fain, J.N., see Pittner, R.A. (1010) 227
Fanburg, B.L., see Dasarathy, Y. (1010) 16
Farndale, R.W., see Sandy, J.R. (1010) 265
Fernig, D.G. and Mayer, R.J.
Insulin processing in primary endosomes is not responsible for insulin resistance observed in parametrial adipocytes from lactating rats (1010) 237
Fex, G., see Wahlberg, P. (1010) 287
Flatmark, T., see Husebye, E.S. (1010) 250
Fujimi, T., see Yamaguchi, T. (1010) 177
Fujita, T., see Yamaguchi, T. (1010) 177
Fukase, M., see Yamaguchi, T. (1010) 177
Funk, C.D., see Karaplis, A.C. (1010) 369

Galleyrand, J.-C., see Magous, R. (1010) 357
Gallice, P., see Monti, J.-P. (1010) 210
Gardner, J.D., see Stark, H.A. (1010) 145
Garrity, M.J., see Brass, E.P. (1010) 233
Gauthier, Y., see Schulman, H.M. (1010) 1
Gercken, G., see Berg, I. (1010) 100
Gerok, W., see Busshardt, E. (1010) 151
Gordon, J.L., see Morgan, D.M.L. (1010) 184
Grover, T.A., see Reidl, H.H. (1010) 325
Gruppuso, P.A.
Effects of fetal hypoinsulinemia on fetal hepatic insulin binding in the rat (1010) 270
Guse, A.H., see Berg, I. (1010) 100

Hartwig, J.H. and Janmey, P.A.
Stimulation of a calcium-dependent actin nucleation activity by phorbol 12-myristate 13-acetate in rabbit macrophage cytoskeletons (1010) 64

Häussinger, D., see Busshardt, E. (1010) 151
Helgeland, L., see Tollersrud, O.K. (1010) 35
Hellman, B., see Ali, L. (1010) 283
Hierholzer, K., see Korbmacher, C. (1010) 311
Hirata, M., Chang, C.-H. and Murad, F.
Stimulatory effects of atrial natriuretic factor on phosphoinositide hydrolysis in cultured bovine aortic smooth muscle cells (1010) 346
Horiuchi, R., see Sorimachi, K. (1010) 72
Hubbard, M.J., see MacDougall, L.K. (1010) 218
Hur, K.C. and Louis, C.F.
Regional distribution of the enzymes and substrates mediating the action of cAMP in the mammalian lens (1010) 56
Husebye, E.S. and Flatmark, T.
Purification and kinetic properties of a soluble phosphatidylinositol-4-phosphate kinase of the bovine adrenal medulla with emphasis on its inhibition by calcium ions (1010) 250

Ieiri, T., see Sorimachi, K. (1010) 72
Iga, F., see Yoshinari, K. (1010) 28
Inaba, M. and DeLuca, H.F.
Stabilization of 1,25-dihydroxyvitamin D-3 receptor in the human leukemia cell line, HL-60, with diisopropylfluorophosphate (1010) 20

Janmey, P.A., see Hartwig, J.H. (1010) 64
Jensen, R.T., see Stark, H.A. (1010) 145
Johansson, A., see Dahlgren, C. (1010) 41
Jones, M.N., see Douen, A.G. (1010) 363

Kakkar, V.V., see Krishnamurthi, S. (1010) 258
Karaplis, A.C., Funk, C.D. and Powell, W.S.
Binding of prostaglandin E_2 to cultured bovine adrenal chromaffin cells and its effect on catecholamine secretion (1010) 369
Katagi, C., see Ohnishi, S.T. (1010) 199
Katagi, H., see Ohnishi, S.T. (1010) 199
Kobayashi, M., see Sorimachi, K. (1010) 72
Kolb, H., see Aring, J. (1010) 140
Kondo, H., see Sibille, J.-C. (1010) 204
König, M., see Korbmacher, C. (1010) 311
Kopp, S.J., see Barron, J.T. (1010) 278
Korbmacher, C., Schulz, W., König, M., Siebe, H., Lichtenstein, I. and Hierholzer, K.
Renal epithelial cell lines (BSC-1, MDCK, LLC-PK_1) express 11β-hydroxysteroid dehydrogenase activity (1010) 311
Krishnamurthi, S., Patel, Y. and Kakkar, V.V.
Weak inhibition of protein kinase C coupled with various non-specific effects make sphingosine an unsuitable tool in platelet signal transduction studies (1010) 258
Kumar, R., see Bikle, D. (1010) 122
Kvalvaag, A.H., see Tollersrud, O.K. (1010) 35

Lichtenstein, I., see Korbmacher, C. (1010) 311
López-Soriano, F.J. and Alemany, M.
Effect of alanine on in vitro glucose utilization by rat interscapular brown adipose tissue (1010) 338
Louis, C.F., see Hur, K.C. (1010) 56

MacDougall, L.K., Campbell, D.G., Hubbard, M.J. and Cohen, P.
Partial structure and hormonal regulation of rabbit liver inhibitor-1; distribution of inhibitor-1 and inhibitor-2 in rabbit and rat tissues (1010) 218
Magous, R., Galleyrand, J.-C. and Bali, J.-P.
Common or distinct receptors for gastrin and cholecystokinin in gastric mucosa? (1010) 357
Marchiori, F., see Dobrowolska, G. (1010) 274
Martinez, J., see Stark, H.A. (1010) 145
Mason, P.A. and Nelson, D.L.
Cyclic AMP-dependent protein kinases of *Paramecium*. II. Catalytic and regulatory properties of type II kinase from cilia (1010) 116
Mason, P.A. and Nelson, D.L.
Cyclic AMP-dependent protein kinases of *Paramecium*. I. Chromatographic and physical properties of the enzymes from cilia (1010) 108
Mayer, R.J., see Fernig, D.G. (1010) 237
McPherson, M.A., see Doughney, C. (1010) 352
Meggio, F. and Pinna, L.A.
Random tyrosine and glutamic acid-containing polymers are very powerful inhibitors of casein kinase-2 (1010) 128
Meggio, F., see Dobrowolska, G. (1010) 274
Meghji, S., see Sandy, J.R. (1010) 265
Meikle, M.C., see Sandy, J.R. (1010) 265
Merrill, Jr., A.H. and Stevens, V.L.
Modulation of protein kinase C and diverse cell functions by sphingosine – a pharmacologically interesting compound linking sphingolipids and signal transduction (1010) 131
Mimura, A., see Yoshinari, K. (1010) 28
Monti, J.-P., Gallice, P., Murisasco, A. and Crevat, A.
Phosphorus-31 and water proton relaxation in living erythrocytes. Application to uremia (1010) 210
Morgan, D.M.L., Pearson, J.D. and Gordon, J.L.
Lysosomal hydrolases of human vascular cells: response to agonists of endothelial function (1010) 184
Munson, S., see Bikle, D. (1010) 122
Murad, F., see Hirata, M. (1010) 346
Murisasco, A., see Monti, J.-P. (1010) 210
Myers, C.E., see Sinha, B.K. (1010) 304

Nelson, D.L., see Mason, P.A. (1010) 108
Nelson, D.L., see Mason, P.A. (1010) 116
Nishikawa, M., see Yamaguchi, T. (1010) 177

Ohnishi, S.T., Katagi, H. and Katagi, C.
Inhibition of the in vitro formation of dense cells and of irreversibly sickled cells by charybdotoxin, a specific inhibitor of calcium-activated potassium efflux (1010) 199
O'Rourke, A.M. and Rider, C.C.
Glucose, glutamine and ketone body utilisation by resting and concanavalin A activated rat splenic lymphocytes (1010) 342
Orselius, K., see Dahlgren, C. (1010) 41
Ouwerkerk, R., Van Echteld, C.J.A., Staal, G.E.J. and Rijksen, G.
Intracellular free magnesium and phosphorylated metabolites in hexokinase- and pyruvate kinase-deficient red cells measured using ^{31}P-NMR spectroscopy (1010) 294

Patel, Y., see Krishnamurthi, S. (1010) 258
Pearson, J.D., see Morgan, D.M.L. (1010) 184
Pedersen, P.S., see Doughney, C. (1010) 352
Pinna, L.A., see Dobrowolska, G. (1010) 274
Pinna, L.A., see Meggio, F. (1010) 128
Pittner, R.A. and Fain, J.N.
Vasopressin transiently stimulates phospholipase C activity in cultured rat hepatocytes (1010) 227
Plagemann, P.G.W. and Woffendin, C.
Use of formycin B as a general substrate for measuring facilitated nucleoside transport in mammalian cells (1010) 7
Ponka, P., see Schulman, H.M. (1010) 1
Powell, W.S., see Karaplis, A.C. (1010) 369
Price, N.T., see Clark, S.J. (1010) 377
Proud, C.G., see Clark, S.J. (1010) 377

Reidl, H.H., Grover, T.A. and Takemoto, J.Y.
^{31}P-NMR evidence for cytoplasmic acidification and phosphate

extrusion in syringomycin-treated cells of *Rhodotorula pilimanae* (1010) 325
Rider, C.C., see O'Rourke, A.M. (1010) 342
Rijksen, G., see Ouwerkerk, R. (1010) 294

Sandborg, R.R. and Smolen, J.E.
The effects of heavy metal cations and sulfhydryl reagents on degranulation from digitonin-permeabilized neutrophils (1010) 330
Sandy, J.R., Meghji, S., Farndale, R.W. and Meikle, M.C.
Dual elevation of cyclic AMP and inositol phosphates in response to mechanical deformation of murine osteoblasts (1010) 265
Schlepper-Schaefer, J., see Aring, J. (1010) 140
Schuddemat, J., De Boo, R., Van Leeuwen, C.C.M., Van den Broek, P.J.A. and Van Steveninck, J.
Polyphosphate synthesis in yeast (1010) 191
Schulman, H.M., Ponka, P., Wilczynska, A., Gauthier, Y. and Shyamala, G.
Transferrin receptor and ferritin levels during murine mammary gland development (1010) 1
Schulz, W., see Korbmacher, C. (1010) 311
Scott, G.K., Seow, H.F. and Tse, C.A.
Investigations into the nature of growth-related proteolysis in human fibroblasts (1010) 160
Seow, H.F., see Scott, G.K. (1010) 160
Sharp, C.M., see Stark, H.A. (1010) 145
Shyamala, G., see Schulman, H.M. (1010) 1
Sibille, J.-C., Kondo, H. and Aisen, P.
Uptake of ferritin and iron bound to ferritin by rat hepatocytes: modulation by apotransferrin, iron chelators and chloroquine (1010) 204
Siebe, H., see Korbmacher, C. (1010) 311
Sinha, B.K., Dusre, L., Collins, C. and Myers, C.E.
Resistance of paraquat and adriamycin in human breast tumor cells: role of free radical formation (1010) 304
Smolen, J.E., see Sandborg, R.R. (1010) 330
Sorimachi, K., Ieiri, T., Kobayashi, M., Horiuchi, R. and Yasumura, Y.
Inhibitory effect of dibutyryl cyclic adenosine monophosphate on the induction of alkaline phosphatase in human fetal liver cell line (1010) 72
Staal, G.E.J., see Ouwerkerk, R. (1010) 294
Stark, H.A., Sharp, C.M., Sutliff, V.E., Martinez, J., Jensen, R.T. and Gardner, J.D.
CCK-JMV-180: a peptide that distinguishes high-affinity cholecystokinin receptors from low-affinity cholecystokinin receptors (1010) 145
Stevens, V.L., see Merrill, Jr., A.H. (1010) 131
Sundler, R., see Wijkander, J. (1010) 78
Sutliff, V.E., see Stark, H.A. (1010) 145

Takahashi, Y., see Asami, K. (1010) 49
Takashima, S., see Asami, K. (1010) 49
Takemoto, J.Y., see Reidl, H.H. (1010) 325
Tanuma, S. and Endo, H.
Mono(ADP-ribosyl)ation of Gi by eukaryotic cysteine-specific mono(ADP-ribosyl)transferase attenuates inhibition of adenylate cyclase by epinephrine (1010) 246
Tollersrud, O.K., Kvalvaag, A.H. and Helgeland, L.
Biosynthesis and clearance of prothrombin in warfarin-treated rats (1010) 35
Tse, C.A., see Scott, G.K. (1010) 160

Van den Broek, P.J.A., see Schuddemat, J. (1010) 191
Van Echteld, C.J.A., see Ouwerkerk, R. (1010) 294
Van Leeuwen, C.C.M., see Schuddemat, J. (1010) 191
Van Steveninck, J., see Schuddemat, J. (1010) 191
Vucic, A., see Davis, B.H. (1010) 318

Wahlberg, P., Fex, G. and Wennerberg, J.
A relationship between retinol and cellular retinol-binding protein concentrations in human squamous cell carcinomas (1010) 287
Wennerberg, J., see Wahlberg, P. (1010) 287
Wesslén, N., see Ali, L. (1010) 283
Wijkander, J. and Sundler, R.
A role for protein kinase C-mediated phosphorylation in the mobilization of arachidonic acid in mouse macrophages (1010) 78
Wilczynska, A., see Schulman, H.M. (1010) 1
Woffendin, C., see Plagemann, P.G.W. (1010) 7

Yamaguchi, T., Fukase, M., Nishikawa, M., Fujimi, T. and Fujita, T.
Parathyroid hormone degradation by chymotrypsin-like endopeptidase in the clonal osteogenic UMR-106 cell (1010) 177
Yasumura, Y., see Sorimachi, K. (1010) 72
Yoshinari, K., Yuasa, K., Iga, F. and Mimura, A.
A growth-promoting factor for human myeloid leukemia cells from horse serum identified as horse serum transferrin (1010) 28
Yuasa, K., see Yoshinari, K. (1010) 28